

More Efficiency for Port Logistics:
Drive Systems from SEW-EURODRIVE

Port Logistics



Quick turnaround and efficiency in all ports: Drive systems from SEW-EURODRIVE

Logistically speaking, ports are large companies: unloading, loading, lifting, hoisting, handling, pouring, reclaiming, transporting, shunting... Movement determines almost all processes in a port. It is no wonder that the typical view of a port is dominated by massive hoists, slewing cranes, grab cranes, dock cranes, floating cranes, luffing cranes, jib cranes and portal cranes, portal and bridge draglines, bucket wheel excavators, ship unloaders and loaders as well as conveyor systems. Numerous goods and enormous loads are moved from "A" to "B" every day.

SEW-EURODRIVE is familiar with these requirements. Mechanical and electronic drive components, gearmotors and drive electronics made by SEW-EURODRIVE have been at the heart of drive engineering for many years, found at ports around the world. SEW-EURODRIVE is a competent consultant, supplier and partner as it demonstrates on a daily basis.



SEW-EURODRIVE is never far if something needs to be moved in a port.

The enormous loads mean we are talking about gear unit series that have been designed specifically for such heavy loads. We are talking about our standard drives, especially our industrial gear units that reach torques up to > 1,200 kNm, depending on unit type and design.

MC Series (6 ... 65 kNm)

Very compact helical and helical-bevel gear units. A new design that allows for great freedom in planning a system and requires very little space.

M Series (6 ... 180 kNm)

It is very appropriate to call it "MC's big brother."

CN Series (3 ... 600 kNm)

The helical and helical-bevel gear units of this series are the ideal platform for individual and customized applications.

P Series (24 ... 445 kNm)

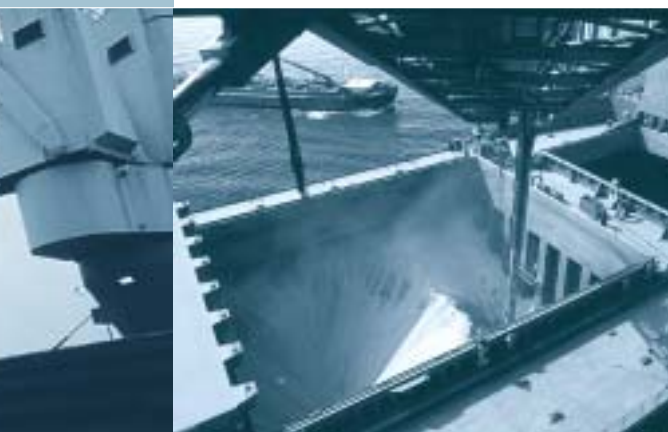
In the past, it was almost impossible to order planetary gearmotors directly from a catalog. But our P Series products are a move towards this ideal situation. If you consider the impressive efficiency of the series, you get an almost unbeatable and appealing product.

Q Series (36 ... > 1,200 kNm)

The power of our Q Series gear units is in demand when even our most powerful planetary gear units reach their limits. The products in this series are suitable for an almost unlimited range of applications.



The products and systems from SEW-EURODRIVE make optimum use of the space available on the machine and offer high levels of flexibility and reliability. Minimum maintenance and simple operation ensure that you will be able to operate machines and equipment efficiently from the very beginning.






We know the demands and offer robust and powerful solutions

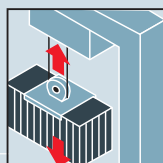
SEW-EURODRIVE is never far if something needs to be moved in a port.

Several stations have to be passed from the delivery of the goods in the port via intermediate storage and handing over to continuing means of transportation such as railway, trucks or ships. The goods have to be hoisted, moved, stacked, turned, etc. during each of these steps. To master all these different tasks efficiently, you need modularity, reliability and availability.

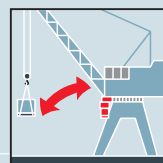
Our strong market position is apparent in the variety of special measures and arrangements with which we are trying to meet the special operating conditions. Our drives are not only convincing when it comes to performance and torque, but offer the additional advantages of our diverse and varied modular system.

Tasks	Type of crane
<p>Container handling</p> 	<p>Main hoisting / Boom hoisting:</p> <ul style="list-style-type: none"> - STS (Ship to shore) <p>Main hoisting:</p> <ul style="list-style-type: none"> - RTG (Rubber-tyre gantry) - RMG (Rail-mounted gantry) - ACS (Automatic-container stacker) <p>Trolley and gantry traveling for:</p> <ul style="list-style-type: none"> - STS (Ship-to-shore) - RTG (Rubber tyre gantry) - RMG (Rail-mounted gantry) - ACS (Automatic container stacker)
<p>Bulk material handling</p> 	<ul style="list-style-type: none"> - Conveyors
<p>General cargo handling</p> 	<ul style="list-style-type: none"> - Slewing cranes - Grab cranes

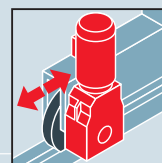
Hoisting



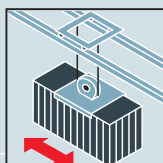
Turning/ swiveling



Traveling

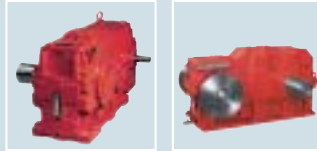


Handling



Solutions from SEW-EURODRIVE

Industrial gear units of the M or CN series



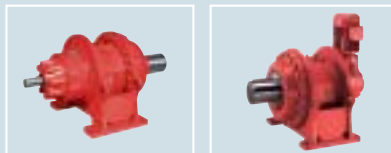
Industrial gear units of the MC or CN series as well as standard gearmotors



Industrial gear units: MC, M, CN or P and standard gearmotors



Industrial gear units of the Q and P series



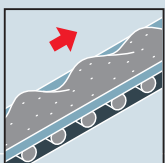
Industrial gear units of the Q and P (Slewing), M and CN (Hoisting) series



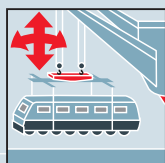
Industrial gear units of the Q and P (Slewing), M and CN (Hoisting) series



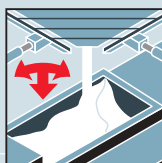
Transporting



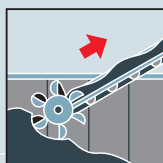
Loading/unloading



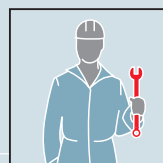
Depositing



Reclaiming



Service



We drive almost anything. And demand to do it better.

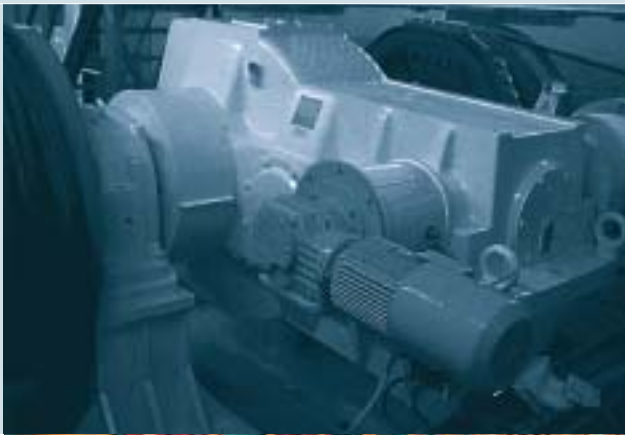
SEW-EURODRIVE has set the standard for gearmotors for many decades.

This makes us one of the leading manufacturers of globally recognized quality in the power range up to 50,000 Nm.

The modular concept allows millions of combinations and therefore the best condition to find the right drive for the application. It also means that the drive can be installed to best meet the required speed and torque ranges, the space requirements and environmental influences. Our helical gearmotors, parallel shaft helical gearmotors, helical-worm gearmotors, helical-bevel gearmotors, SPIROPLAN® and planetary gearmotors offer an unparalleled fine grading of power ranges and the best prerequisites for an economic performance.

Our electronics are just the ticket when you've got to be ready for anything.

The gearmotors are supplemented by the electronic components MOVIDRIVE® and MOVITRAC® which are optimally integrated into the range of systems offered by SEW-EURODRIVE. As in the case of the mechanical systems, development, production and assembly is carried out completely by SEW-EURODRIVE. The electronic components give our drives maximum flexibility so that you can face future challenges without too many worries.



Loading, unloading, storing, shipping, sorting, depositing, reclaiming... The port environment demands many solutions for intelligent drives. SEW-EURODRIVE does not only offer gear units and customized electronics for these units. We also have experience in implementing these tasks. You should take advantage of this experience.

Our idea of a complete system includes global presence and service

Service is an integral part of our customer service approach. Our sales engineers will assist you with expert advice, open analysis and project planning of the application. You can find our specialists in 58 assembly plants located in 43 countries around the globe. They will be glad to answer any questions you might have and respond very quickly to any service call. Installation and startup can be done quickly and individually on site; a prerequisite for optimum operation of the entire system.

Our global after-sales service offers preventive maintenance to ensure long-term, trouble-free operation. With CDM[®], Complete Drive Management, SEW offers comprehensive product care for the entire product range. This holds true for the smallest gearmotor up to industrial gear units as well as drive electronics. We ensure a high level of operational security through personal customer care, innovative technology and the expertise of a global player. And if anything does go wrong, we offer a 24/7 hotline that is always there for you.

Customer training and informative events are as much part of our system program as special documentation on products and basic know-how. The Internet is another place where you can always find us: we offer the most up-to-date information, comprehensive documentation as well as the latest software updates for convenient download at www.sew-eurodrive.com.



How to drive the world

With people who think fast and develop the future with you.

With a service network that is always close at hand around the world.

With drives and controls that automatically improve your work performance.

With a comprehensive knowledge in the most important branches of industry today.

With uncompromising quality whose high standards will simplify daily operations.



SEW-EURODRIVE
Driving the world

With a global presence for quick and convincing solutions. Anywhere.

With innovative ideas that offer a solution for future problems today.

With an Internet presence that is available around the clock and offers information as well as software updates.

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